

Carbon Capture Technology Program: Front-End Engineering and Design for Carbon Dioxide Transport

- \$9 million invested in three projects in Wyoming and the Gulf Coast region
- Projects will perform engineering and design studies for regional pipeline networks to transport millions of metric tons of captured carbon dioxide
- Projects could provide economic and social benefits for local communities including:
 - Training existing workforces, creating new jobs, and establishing workforce development programs
 - Ensuring communities are engaged and a part of project decisions

Carbon Capture Technology Program Overview

Projects will perform detailed engineering design studies for regional carbon dioxide pipeline networks to cost-effectively, safely transport captured carbon dioxide from key sources to centralized locations for either the conversion to long-life products or for permanent storage.

Projects will focus on carbon transport costs, transport network configurations, and technical and commercial considerations that support broad efforts to develop and deploy carbon capture, conversion, and storage at commercial scale.

Investing in America

Carbon dioxide is a greenhouse gas, and its emissions are fueling global warming, which has increased the threat of droughts, sever fires, rising sea levels, floods, catastrophic storms, and declining biodiversity. Large-scale deployment of carbon management technologies is crucial to addressing climate change and meeting President Biden's goal of a net-zero greenhouse gas emissions economy by 2050.

These investments can help to eliminate hundreds of millions of tons of carbon dioxide emissions every year through the capture, transport, and use or permanent storage of carbon dioxide emissions. These efforts will not only help mitigate the impacts of climate change—they will also benefit communities across the nation by improving air quality, protecting existing industrial jobs, and creating new ones.

Selections

Organization	Purpose	Project Location	DOE Cost Share
Carbon Solutions	Perform a study for a commercial-scale, statewide pipeline system capable of transporting up to 120 million metric tons of carbon dioxide per year building primarily on portions of the Wyoming Pipeline Corridor Initiative	Wyoming	\$3,000,000
Howard Energy Partners	Perform a study for a system capable of moving up to 250 million metric tons of carbon dioxide per year from multiple sources to multiple storage locations on the Gulf Coast from the Port of Corpus Christi, Texas to the Mississippi River	Gulf Coast	\$3,000,000
Southern States Energy Board	Perform a study for a regional-scale carbon dioxide transport system in the Houston-Galveston region along the Texas Gulf Coast to move at least 8 million metric tons of carbon dioxide per year	Houston-Galveston, TX	\$3,000,000